

JAI KUMAR DEWANI

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EXPERIENCE

Carl Zeiss

July '21 – Present

Software Engineer

Bengaluru, Karnataka, India

- Streamlined development for the whole team to reduce physical device dependency by mocking system endpoints
- Worked with to enhance existing in time asynchronous notifications
- Resolved bugs related to preview area and rendering of Visual Acuity and Chart Layouts in Chart Viewer
- Introduced new features and improved existing bugs like black masking, preview area for Charts built on WPF
- Worked with the UI team to optimise usage of chartviewer by making sure only atomic operations are exposed and utilized

Carl Zeiss

January '21 – June '21

FullStack Intern

Bengaluru, Karnataka, India

- Implemented new methods, which were exposed as APIs using .NET framework to be utilised by frontend
- Created and deployed new gRPC servers for reducing coupling and introduce IPC channels for various services
- Utilized NUnit and Fluent Assertions for writing new unit test cases improving overall development cycle

EDUCATION

International Institute of Information Technology, Naya Raipur

August '17 – June '21

Bachelor of Technology in Computer Science

Naya Raipur, Chattisgarh India

PROJECTS

Meme Generator | JavaScript, React | WebApp

September 2020

- Designed an easy to use single page application for creating memes
- Used KonvaJS for Canvas display logic for presenting editable images for users to add and drag text over to create memes
- Built features for the ease of downloading memes and upload custom images for your custom memes

DeepNeural Net Visualiser | Tensorflow, Flask, Streamlit | WebApp

June 2020

- Built a webapp for easier visualisation of hidden layers in a Neural Net in real-time
- Utilised Streamlit to create a clean frontend design to update the model layer by layer
- Deployed the project on free-tier Heroku service to be easily accessible by anyone

FunMark | Python | GitHub

May 2020

- Developed a wrapper library for bench-marking different functions and allowing creation of graphical comparisons
- Released on PyPi package manager to be easily accessible with pip with currently over 2K downloads
- Wrote a blog on how to utilise the library efficiently - jai-dewani.github.io/blogs/fun-mark/

Lab Works | HTML, CSS, Js, Bootstrap, Django, SQLite | GitHub

April 2019

- Built a web platform to ease the lab assessments for technical courses involving standard coding problems
- Devised a solution regarding issues with the manual process of lab assistants checking each submission manually
- Used 3rd party API which provides a safe environment to compile and run code while supporting wide range programming languages

TECHNICAL SKILLS

Languages: C#, Python, JavaScript

Developer Tools: Heroku, Git, GitHub, Adobe Illustrator, CI/CD

Technologies: ASP.NET, WPF, gRPC, Node.js, React, Express, Bootstrap, Passport, Django

ACADEMIC ACHIEVEMENTS & EXTRA-CURRICULAR

- **Mentored and Judged over 50+ teams** in various hackathons like HackCBS 4.0, HacckOn 2.0 and DotSlash 4.0
- **Co-founded** the first technical club at IIIT-NR, organized various events, talks and hackathons to promote competitive programming and development while improve the coding environment of the Institute.
- Ranked **1127th** globally and **115th** in India in Google HashCode, out of 10724 teams
- Qualified ACM-ICPC 2020 in Kanpur(**rank 63**) and Gwalior regions
- Qualified ACM-ICPC 2019 in Kharagpur(**rank 81**) and Amritapuri(**rank 37**) regions.
- Successfully cleared the Foundation level in **CCDSAP Certification** CodeChef.
- Qualified CodeChef's Snackdown with a rank of **2587 out of 27875** teams
- Ranked **3rd** in **Codeutsava 2020** 2020, NIT Raipur's Annual Hackathon out of 30 participating teams